

APPENDICES

APPENDIX 1

WEST AREA

Federal surface/Federal minerals

T. 9 S., R. 57 E., Carter County, Montana

Section 1:	SE ¹ / ₄	160.0 acres
Section 12:	NW ¹ / ₄ SE ¹ / ₄ NW ¹ / ₄	10.0 acres
	NW ¹ / ₄ SE ¹ / ₄ SE ¹ / ₄	10.0 acres

T. 9 S., R. 58 E., Carter County, Montana

Section 6:	W ¹ / ₂ NW ¹ / ₄ NW ¹ / ₄ , SE ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄	30.0 acres
Section 7:	SE ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄	10.0 acres
	NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄	10.0 acres
	N ¹ / ₂ NE ¹ / ₄ SW ¹ / ₄	20.0 acres
	NW ¹ / ₄ NW ¹ / ₄ SE ¹ / ₄	10.0 acres

Total 260.0 acres

Private surface/Private minerals

T. 9 S., R. 57 E., Carter County, Montana

Section 12:	NE ¹ / ₄ NE ¹ / ₄	40.0 acres
	N ¹ / ₂ NW ¹ / ₄ NE ¹ / ₄ , SE ¹ / ₄ NW ¹ / ₄ NE ¹ / ₄	30.0 acres
	NE ¹ / ₄ SW ¹ / ₄ NE ¹ / ₄	10.0 acres
	SE ¹ / ₄ NE ¹ / ₄	40.0 acres
	SW ¹ / ₄ NW ¹ / ₄	40.0 acres
	SW ¹ / ₄ SE ¹ / ₄ NW ¹ / ₄	10.0 acres
	S ¹ / ₂ NW ¹ / ₄ SW ¹ / ₄	20.0 acres
	NE ¹ / ₄ SW ¹ / ₄	40.0 acres
	N ¹ / ₂ SW ¹ / ₄ SW ¹ / ₄ , SE ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄	30.0 acres
	W ¹ / ₂ SE ¹ / ₄ SW ¹ / ₄	20.0 acres
	N ¹ / ₂ SE ¹ / ₄	80.0 acres
	NE ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	10.0 acres
	NE ¹ / ₄ SE ¹ / ₄ SE ¹ / ₄	10.0 acres

T. 9 S., R. 58 E., Carter County, Montana

Section 7:	SW ¹ / ₄ SW ¹ / ₄ NE ¹ / ₄	10.0 acres
	N ¹ / ₂ NW ¹ / ₄ NW ¹ / ₄ , SW ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄	30.0 acres
	SW ¹ / ₄ NW ¹ / ₄	40.0 acres
	SE ¹ / ₄ NW ¹ / ₄	40.0 acres

Total 500.0 acres

EAST AREA

Federal Surface/Federal Minerals

Township 9 South, Range 58 East of the Principal Meridian, Carter County, Montana

Section 1:	Lot 21	10.0 acres
	W $\frac{1}{2}$ of Lots 17 & 24	10.0 acres
	Lot 25 (5.67 acres rounded)	5.7 acres
	Lots 28 & 29	20.0 acres
	Lot 35	10.0 acres
	Lot 36	10.0 acres
	SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ for road strip	0.2 acres
	N $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ for road strip	3.0 acres
	S $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$	20.0 acres
Section 2:	NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$	10.0 acres
	a portion in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$	1.8 acres
	haul road expansion in SW $\frac{1}{4}$	13.3 acres
	haul road expansion in SE $\frac{1}{4}$	17.2 acres
Section 4:	NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$	10.0 acres
	NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$	10.0 acres

Township 9 South, Range 59 East of the Principal Meridian, Carter County, Montana

Section 5:	SE $\frac{1}{4}$ NW $\frac{1}{4}$, south of Hwy 212	15.3 acres
	NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$	30.0 acres
	NW $\frac{1}{4}$ SE $\frac{1}{4}$, south of Hwy 212	27.8 acres
	NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$	10.0 acres
Section 6:	W $\frac{1}{2}$ of Lot 14	9.5 acres
	NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$	10.0 acres
	S $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$	20.0 acres
	SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$	10.0 acres
	S $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$	20.0 acres
Section 7:	N $\frac{1}{2}$ N $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$	10.0 acres
	N $\frac{1}{2}$ N $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$	10.0 acres

Total 323.8 acres

EAST AREA

Private surface/Private minerals:

Township 9 South, Range 58 East of the Principal Meridian, Carter County, Montana

Section 1:	NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄	5.6 acres
	NE ¹ / ₄ SW ¹ / ₄	6.5 acres
	Lot 18	10.0 acres
	Portion of Lot 19	4.7 acres
	Lot 22	10.0 acres
	Lot 23	10.0 acres
	Lot 37	10.0 acres
	Lot 38 (5.66 acres rounded)	5.7 acres
Section 2:	a portion in NW ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄	1.7 acres
Section 3:	SW ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄	10.0 acres
	NW ¹ / ₄ SE ¹ / ₄ SE ¹ / ₄	10.0 acres
Section 4:	N ¹ / ₂ SW ¹ / ₄ NE ¹ / ₄	20.0 acres
	SE ¹ / ₄ SW ¹ / ₄ NE ¹ / ₄	10.0 acres
	SW ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄	10.0 acres
	NE ¹ / ₄ SE ¹ / ₄ NW ¹ / ₄	10.0 acres
Section 12:	N ¹ / ₂ N ¹ / ₂ NW ¹ / ₄ NW ¹ / ₄	10.0 acres

Township 9 South, Range 59 East of the Principal Meridian, Carter County, Montana

Section 5:	NE ¹ / ₄ SW ¹ / ₄	40.0 acres
	SW ¹ / ₄ SW ¹ / ₄	40.0 acres
	NW ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄	10.0 acres
Section 6:	Lot 15	19.0 acres
	NE ¹ / ₄ SW ¹ / ₄	40.0 acres
	W ¹ / ₂ NW ¹ / ₄ SE ¹ / ₄ , SE ¹ / ₄ NW ¹ / ₄ SE ¹ / ₄	30.0 acres
	NE ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ , S ¹ / ₂ SE ¹ / ₄ SW ¹ / ₄	30.0 acres
	N ¹ / ₂ SW ¹ / ₄ SE ¹ / ₄ , SW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	30.0 acres
	N ¹ / ₂ SE ¹ / ₄ SE ¹ / ₄	20.0 acres

Total 403.2 acres

Appendix 2

Public Scoping Comments

The following is a list of other concerns and comments mentioned by participants at the public scoping meeting in Alzada, Montana on November 18, 2003.

1. Does permit restrict the number of pits open? No special plan for closing pits – depends on clients – time of year, different quality of bentonite in different pits, etc.
2. Why are some pits closed right away and others are left open?
3. Concern with too many pits open at one time.
4. If in a main drainage – collect water in main drainage – file for water rights.
5. How much truck traffic hits Highway 212? Varies on any given day, 2 bentonite companies hauling. What is maximum number of trucks – 20 trucks – 10 to 15 trucks a day @ 6 round trips. Permits – annual permit for each tractor, pro-rated for each state. 1/3 goes to Montana. \$7000 to \$8000/unit and additional payroll of 45 employees.
6. Does Amendment #10 indicate an expansion? No, not increasing production, just maintaining 2 years or less of permitted reserves.
7. Big concern of going to an EIS.
8. EIS takes place, what happens to businesses and ranch management practices?
9. Has BLM ever adjusted a grazing permit due to mining?
10. Will Amendment #10 East series go out directly to Highway 212? Yes, goes directly out to highway.
11. Can lands still be patented? Sometimes claims or the operation can split ranch pastures.
12. Every mining related job has three related jobs dependent on the miners income – trickle down benefit.
13. Effect of mining – areas of rapid runoff, there will be some sediment runoff.
14. Reclamation has reduced runoff and erosion due to new vegetation that never had grass.
15. Pits – never more than 15 open at any one time.
16. Agreements with surface owner should require pits be left for a reservoir. Pits should be fenced off to preserve the vegetation.
17. ACC good land stewards.
18. Some sediment comes from the AML in the south.

19. Fence off reclamation; don't graze for 3 years after September 15.
20. Pits that are 40' deep – pit captures all the water. Ponds must be sized for the amount of water available in the drainage.
21. Tax base for County
22. Reclamation leaving ground better than before
23. Gradually impact to water silting up creek bed, no fish
24. Still pumping water from pit
25. If spot needs reclamation outside permit boundary can it be fixed?
26. Can the number of open-active pits be limited because of possible impairment in Thompson Creek?
27. Next to Scholoesser – catfish in creek
28. Because of so many reservoirs, a 2 inch rain fills them but doesn't flush creek
29. No big snow melts lately
30. Economics – for 1 mining job, 3 other direct jobs dependent on it
31. Mining impact – any area with big rainfall will produce silt
32. Reclamation has reduced silt and runoff – more vegetation
33. Probably not more than 15 pits open
34. Last pit in mine series should be left for pond/water storage. Fence it for protection. Water quality in storage?
35. Old mining didn't separate soils
36. Grazing on "new" reclamation delayed, maybe, based on growth of vegetation
37. If pond storage is too great, the guy downstream doesn't get water
38. Do stock use less salt if drinking from reclaimed pond? Don't use much mineral any way.
39. If the pit is in drainage, it might dry up the drainage. Do you file for water rights? Sediment stays in the pit, at reclamation the drainage is reestablished.
40. This is not an increase in production but is to maintain production.

41. Would mitigation or delays in NEPA/MEPA impact private land practices? Presently permitted activities would continue. New amendment would not be allowed until approved.
42. Are BLM's grazing AUM adjustments based upon the whole permit or just the disturbed lands?